

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : RE 39,187 E
APPLICATION NO. : 09/915132
DATED : July 18, 2006
INVENTOR(S) : Jeffrey T. Randall

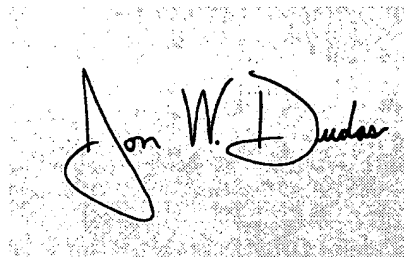
Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page, should be deleted and substitute therefor the attached title page.
In the drawings, Sheet 2 of 2 should be replaced with the attached, new sheet 2 of 2 which contains Fig. 4.

Signed and Sealed this

Eleventh Day of December, 2007

A handwritten signature in black ink, reading "Jon W. Dudas", is written over a light gray, textured rectangular background.

JON W. DUDAS
Director of the United States Patent and Trademark Office

(19) **United States**
 (12) **Reissued Patent**
Randall

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(54) **SPURT MINIMIZING DISPENSING STRUCTURE**

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(21) Appl. No.: **09/915,132**

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Related U.S. Patent Documents

Reissue of:

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(51) Int. Cl. **B63D 47/40** (2006.01)

(52) U.S. Cl. **222/547; 222/556; 222/568; 222/571**

(58) Field of Classification Search **222/547, 222/556, 568, 571, 211, 212, 213, 215**
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,050,192 A 1/1913 Wood
 2,834,519 A 5/1958 Miller
 2,974,833 A 3/1961 Heppenstall
 3,091,373 A • 5/1963 Kirschenbaum 222/420
 3,100,067 A 8/1963 Heppenstall
 3,117,701 A • 1/1964 Stull 222/543
 3,207,375 A 9/1965 Berezniat et al.
 3,233,798 A 2/1966 Abbott

3,241,731 A 3/1966 Bright et al.
 3,318,496 A 3/1967 Ayotte et al.
 3,563,422 A • 2/1971 Cruikshank 222/478
 3,833,150 A • 9/1974 Visser-Patings 222/109
 3,980,211 A • 9/1976 Owens 222/478
 4,427,138 A • 1/1984 Heinlein 222/546
 4,583,668 A • 4/1986 Maynard, Jr. 222/529
 4,811,871 A • 3/1989 Wass et al. 222/477
 5,139,182 A • 8/1992 Apple 222/519
 5,141,138 A • 8/1992 Odet et al. 222/153.07
 5,219,100 A • 6/1993 Boek et al. 222/480
 5,320,260 A • 6/1994 Song et al. 222/547
 5,392,938 A • 2/1995 Dubach 215/254
 5,454,489 A • 10/1995 Vesberg 222/109
 5,497,906 A • 3/1996 Dubach 222/23
 5,531,363 A • 7/1996 Gross et al. 222/494
 5,558,239 A • 9/1996 Dubach 215/235
 5,782,388 A • 7/1998 De Nervo 222/546
 5,850,953 A 12/1998 Dallas, Jr.
 6,003,728 A 12/1999 Elliott

FOREIGN PATENT DOCUMENTS

WO WO 94/20713 • 9/1994 16/227

• cited by examiner

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(57)

ABSTRACT

A spurt-resistant spout for a dispensing structure includes (1) an internal tubular portion having a through bore connecting a dispensing orifice of the spout with the interior of the container, and (2) a surrounding wall portion surrounding the tubular portion. The tubular portion and the surrounding wall portion are sized and located so that little or no fluid is retained in and across the spout bore so as to prevent, or minimize, obstruction of the bore.

27 Claims, 2 Drawing Sheets

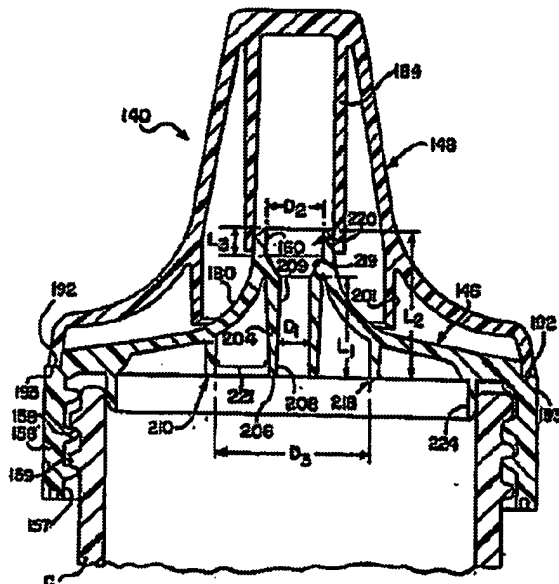


FIG. 3A

110

FIG. 4
AMENDED

FIG. 4 is a cross-sectional view of a device assembly 140. The assembly includes a base 146 with a central opening 206 of diameter D_3 . A central component 184 is mounted on the base. A flange 148 is positioned around the central component. Various dimensions are indicated: L_1 , L_2 , L_3 , D_1 , D_2 , D_3 , and various reference numerals (192, 193, 158, 156, 159, 157, 210, 221, 208, 218, 224, 209, 219, 201, 220, 160, 180, 204).